

Classifications

EN14700

T Z Fe16

Characteristics and typical fields of application

- High Chromium alloy designed for resisting high stress grinding abrasion with low impact.
- Wear plates.

Typical analysis of all-weld metal

C	Si	Mn	Cr	B					
4.5	-	0.2	27.0	0.3					

Mechanical properties of all-weld metal – typical values (min. values)

	PWHT	Shield gas	As Welded	Work-hardened	
	(°C/h)		(HRC)	(HRC)	
Typical	-	-	60	-	
Guarantee	-	-	55-65	-	

General Characteristics

Microstructure	Machinability	Oxyacetylene cutting	Deposit thickness	Shield gas
Primary carbides and M7C3 eutectic carbides in an austenitic matrix	Grinding only	Cannot be flame out	As requirement	-

Operating Data

Dia.(mm)	Current(A)	Voltage(V)	Stick-out(mm)	
2.8	300-400	26-30	35-40	